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WHAT IS CLAIMED IS:

twist angle, said system comprising:

means for twisting an airfoil component;

means for measuring the twist angle of said airfoll component;

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means for controlling said means for twisting in response to said means for measuring to obtain a desired twist angle.

- 2. The system of claim 1 wherein said means for twisting includes a first fixture assembly for holding a first end of said airfoil component and a second fixture assembly for holding a second end of said airfoil component.
- 3. The system of claim/2 wherein said means for twisting further includes a rotary drive unit for rotating said first fixture assembly.
- 4. The system of claim 3 wherein said rotary drive unit includes an adapter that engages said first fixture assembly and a motor drivingly coupled to said adapter.
- 5. The system of claim 4 further comprising a gear reducer unit coupled between said adapter and said motor.
- 6. The system of claim 4 further comprising a torque sensing assembly coupled between said adapter and said motor.
- 7. The system of claim 2 further comprising a carriage capable of moving linearly with respect to said first fixture assembly, said second fixture assembly being mounted on said carriage.

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- 16 8. The system of claim 7 wherein said means for measuring includes a gage mounted on said carriage.
- 7 9. The system of claim 7 further comprising a screw rotatively mounted adjacent to said carriage, a motor drivingly coupled to said screw, and a nut threadingly mounted on said screw, said nut being attached to said carriage.
- 10. The system of claim 2 wherein said first fixture assembly includes:

a base plate;

- first and second support blocks mounted to said base plate; a slide block slidingly mounted to said first support block;
- a pneumatic cylinder unit mounted on said first support block, said pneumatic cylinder unit engaging said slide block for moving said slide block relative to said second support block;

a first jaw supported by said slide block; and

- a second jaw supported by said second support block in juxtaposition with said first jaw.
- 11. The system of claim 10 wherein said first and second jaws are interchangeable.
- 12. The system of claim 2 wherein said second fixture assembly includes a jaw holder and a jaw attached to said jaw holder.
- 13. The system of claim 12 wherein said jaw is interchangeable.
- 14. A system for correcting twist in airfoil components having a twist angle, said system comprising:
 - a base having a lower portion and an upper portion extending vertically upward from said lower portion;

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a horizontal plate supported by said lower portion;

a vertical plate supported by said upper portiony

a lower fixture assembly for holding a first end of an airfoil component mounted on said horizontal plate;

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a rotary drive unit for rotating said lower fixture assembly mounted to said horizontal plate;

a carriage slidingly mounted on said vertical plate;

an upper fixture assembly for holding a second end of said airfoil component mounted on said carriage;

a gage for measuring twist angle in said airfoil component mounted on said carriage; and

a controller for controlling/said rotary drive unit in response to input from said gage to obtain a desired twist angle.

- 15. The system of claim 14 wherein said rotary drive unit includes an adapter that engages said lower fixture assembly and a motor drivingly coupled to said adapter.
- 16. The system of claim 15 further comprising a gear reducer unit coupled between said adapter and said motor.

17. The system of claim 15 further comprising a torque sensing assembly coupled between said adapter and said motor.

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18. The system of claim 14 further comprising a screw rotatively mounted to said vertical plate, a motor drivingly coupled to said screw, and a nut threadingly mounted on said screw, said nut being attached to said carriage.

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19. The system of claim 18 wherein said motor is controlled by said controller.

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	20. The system of claim 14 wherein said lower mature
assembly in	cludes:
0	a base plate engaged by said rotary drive unit;
	first and second support blocks mounted to said base plate;
	a slide block slidingly mounted to said first support block;
	a pneumatic cylinder unit mounted on said first support block,
said pneum	atic cylinder unit engaging said slide block/for moving said slide
block relativ	e to said second support block;
	a first jaw supported by said slide block; and
	a second jaw supported by said/second support block in
juxtapositior	n with said first jaw.
*	
O	21. The system of claim 20 wherein said first and second
jaws are inte	erchangeable.
٠< (22. The system of claim 14 wherein said upper fixture
<i>)</i> '	cludes a jaw holder attached to said carriage and a jaw attached
to said jaw h	(7)
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103	23. The system of claim 22 wherein said jaw is
interchange	able.
	24. A method for correcting twist in airfoil components having
a twist angle	e, said method comprising:
a two ang.	clamping a first end of an airfoil component with a first fixture
assembly s	aid first fixture assembly being capable of rotary motion;
accombly, c	holding a second end of said airfoil component with a second
fixture asse	
intuie asse	measuring said airfoil component's twist angle;
	inputting the measured twist angle into a controller;
	using said controller to compute how much said airfoil
	doing odia controller to compate new mach data amon

component needs to be twisted to achieve a desired twist angle; and

rotating said first fixture assembly to twist said airfoil component to said desired twist angle, wherein rotation of said first fixture assembly is controlled by said controller.